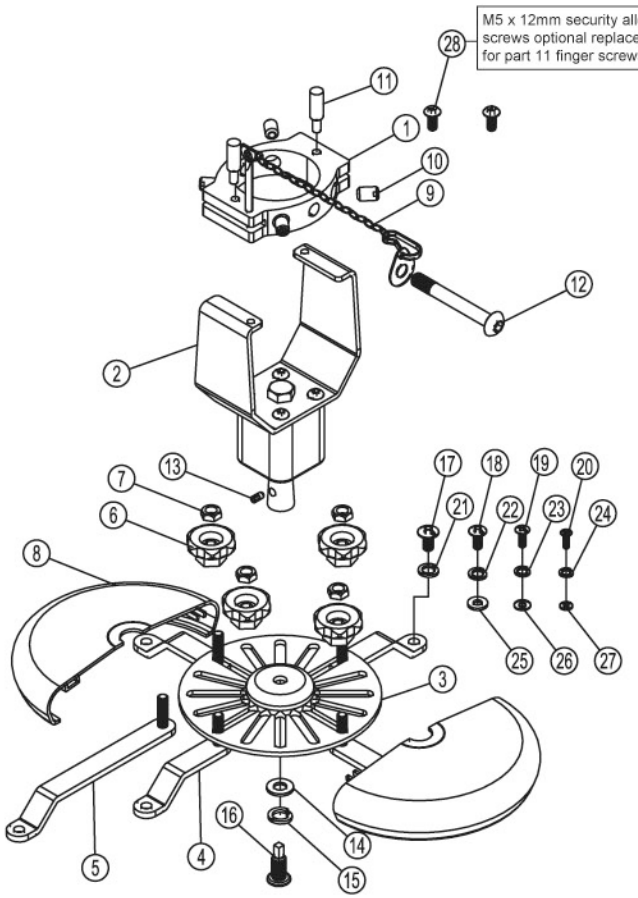
UNIVERSAL PROJECTOR MOUNT

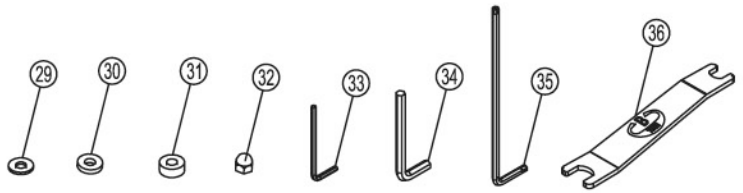
PARTS LIST

BT 7819-888

DESIGNED TO BE USED WITH Ø50mm (Ø2") EXTENSION POLE.

PART NUMBER	PART NAME	QUANTITY
1	Ø50mm (Ø2") ACCESSORY COLLAR	1
2	BALL-JOINT BRACKET	1
3	CAROUSEL DISC	1
4	SHORT LEG	4
5	LONG LEG	4
6	HAND WHEEL	4
7	M6 NUT	4
8	CAROUSEL COVER PLATE - HALF	2
9	SAFETY PIN ON CHAIN	1
10	M10 x 10mm BRAKE SCREW	4
11	M5 FINGER SCREW	2
12	M8 x 65mm ALLEN SCREW	1
13	M5 x 6mm BRAKE SCREW	1
14	Ø5/16" Ø16mm T1.6mm WASHER	1
15	M8 SPRING WASHER	1
16	M8 x 23mm SQUARE END ALLEN SCREW	1
17	M6 x 12mm SCREW	4
18	M5 x 12mm SCREW	4
19	M4 x 12mm SCREW	4
20	M3 x 12mm SCREW	4
21	M6 SPRING WASHER	4
22	M5 SPRING WASHER	4
23	M4 SPRING WASHER	4
24	M3 SPRING WASHER	4
25	M5 WASHER Ø5.2mm Ø12mm T1.0mm	4
26	M4 WASHER Ø4.2mm Ø10mm T0.8mm	4
27	M3 WASHER Ø3.4mm Ø8mm T0.9mm	4
28	M5 x 12mm SECURITY ALLEN SCREW	2
29	M6 WASHER Ø6.5mm Ø16mm T1.6mm	8
30	M6 WASHER Ø6.5mm Ø15mm T3.0mm	4
31	Ø6.5mm Ø15mm T6.0mm SPACER	4
32	M6 DOME NUT	4
33	2.5mm ALLEN KEY	1
34	5mm ALLEN KEY	1
35	4mm SECURITY ALLEN KEY	1
36	10mm / 13mm SPANNER	1



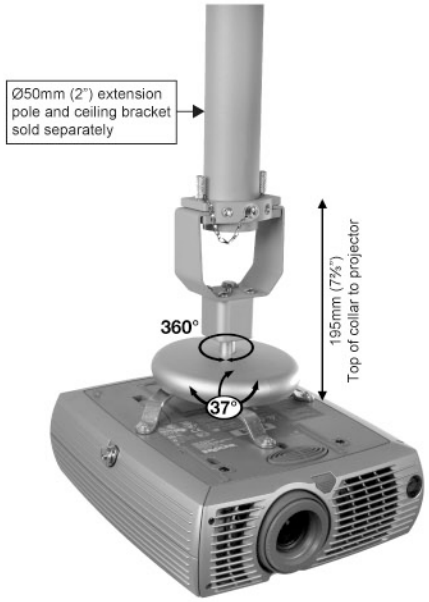


BT7819-888

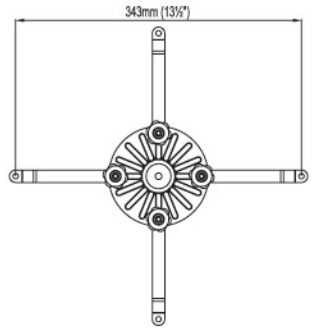
Registered Design Number: 4003644

UNIVERSAL PROJECTOR MOUNT

ASSEMBLY AND INSTALLATION



Maximum distances of mounting holes on projector



Technical Data
Distance from the top of collar to projector: 195mm (7⅝")
Maximum Projector Weight: 15Kg (6.8lbs)
Maximum tilt and swivel at the ball joint bracket: 37° in any direction
Maximum horizontal rotation on the carousel mount: 360°
Suitable for projectors with the following fixings: M3, M4, M5 and M6
Maximum distance between any two fixing points: 343mm (13½")

Important Safety Instructions:

Do not install this product until the instructions and warnings have been read and understood thoroughly.

Please keep these instructions for future reference.

B-Tech International Ltd recommends that this product should be installed by a professional. If you do not understand the instructions, or are not sure how to install this product, please contact a professional for advice and /or to install this mount. Failure to mount this bracket correctly may lead to serious injury and / or death.

Please pay careful attention to where this mount is located. Some ceilings are not suitable for installation. If you install this mount on drywall it must be anchored into a wood stud, concrete block or beam behind the drywall. Installing on drywall alone will not support the weight of a projector. When drilling holes it is particularly important to take care of electrical cables, water or gas pipes in the wall. It is important that all fixing screws supplied are used, however as this product has been designed for use with more than one model of projector, it includes an assortment of hardware in the Projector Mounting Kit, all of which may not be used in the final assembly.

The installer must satisfy themselves that all fixing screws supplied are suitable for installing this product.

If the fixing screws included are not sufficient for the ceilling you are mounting this product on, please consult your local hardware store.

Ensure that sufficient space and safety distance is allowed when installing this mount. If installing in a public area, or over the likely path of pedestrians, this product should be mounted as far as possible from the public / pedestrians. Proper attention should be paid when laying the connecting cables so that they do not cause a hazard. Pay careful attention to moving parts of the bracket, especially when assembling and adjusting, as fingers (or other body parts) may become trapped. The projector may have free motion due to its own weight.

It is only permitted to use this bracket for mounting small LCD and DLP projectors with a weight no more than 15Kg (33lbs).

It is recommended that periodic inspections are made of the mount to ensure that there is no change to the fixings or mount.

B-Tech International Limited, its distributors and dealers are not liable or responsible for damage or injury caused by improper installation, improper use or failure to observe these safety instructions. In such cases any guarantee will expire.

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B-Tech International Limited
Long March, Daventry,
Northants, NN11 4NR, U.K.
info@b-tech-int.com

B-Tech PRO-AV bvba
Brixtonlaan 32, Zaventem 1930,
Brussels, Belgium.
info@btechproav.com

B-Tech Audio Video Mounts
Sparks, NV. 89431, USA
info@btechavmounts.com

B-Tech International (HK) Limited
North Point, Hong Kong
info@b-tech-int.com.hk

BT7819-888MKIII
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BT7819-888

MOUNTING INSTRUCTIONS

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MOUNTING INSTRUCTIONS

1 Assemble the ball-joint mount before installation on the pole.

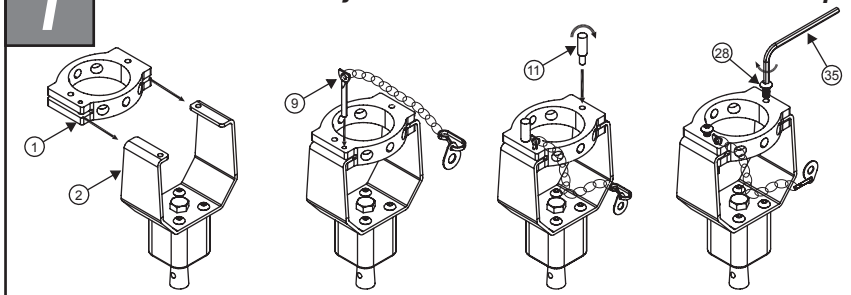
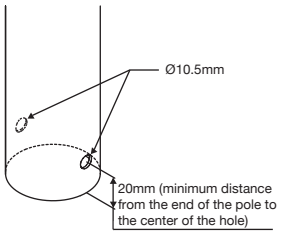


Diagram A **Diagram B** **Diagram C** **Diagram D**

Slide the collar on the ball-joint bracket *(Diagram A)*. Insert the safety pin into the hole at the corner of the collar, make sure that the safety pin is inserted through the ball-joint bracket *(Diagram B)*. Use either the finger screws for quick release and easy installation *(Diagram C)*, or the security allen screws, to secure collar position on the ball-joint bracket *(Diagram D)*.

2 Drill holes on the Ø50mm (2") pole.

***For the poles that are not supplied from B-Tech.**



Drill Ø10.5mm hole horizontally straight through the pole at the distance from the end of the pole to the center of the hole.

3 Slide the collar and ball-joint onto the pole.

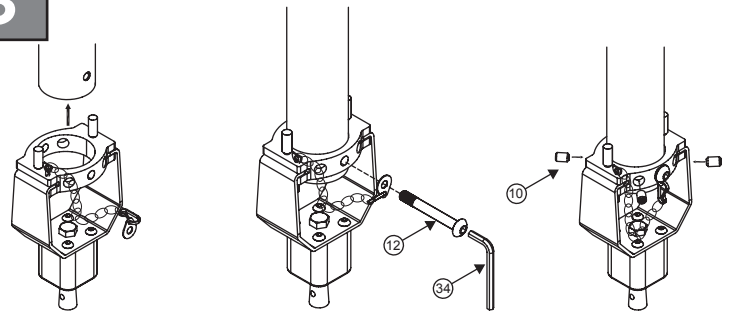
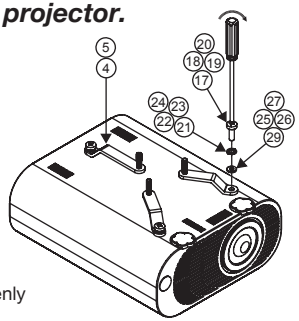


Diagram E **Diagram F** **Diagram G**

Slide collar and ball-joint up onto the pole *(Diagram E)*. Insert the safety bolt through the retaining plate, collar and pole *(Diagram F)*. Fasten brake screws into the thread holes to fix the position of the collar *(Diagram G)*.

4 Mount the legs on the projector.

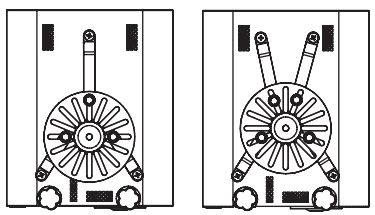


Choose the correct legs for the projector:
1. Number of legs chosen depends on the number of mounting holes on the projector. (Where possible, use 4 legs).
2. The size of the legs depends on where the carousel disc is placed. Mount the carousel disc as close as possible to the centre of gravity of the projector.
*The centre of the projector is not always the centre of gravity, as the weight may be unevenly distributed.

Please see *Diagram H* for your reference on the legs mounting.

3. Check the projector's manual for screw sizes (M3, M4, M5 or M6). If the projector has recessed holes, or has an uneven mounting surface, then choose suitable spacers and/ or washers with spring washers to allow for a level mounting. ***Do NOT overtighten.***

Diagram H



3 mounting holes, 2 short legs and 1 long leg.

4 mounting holes, 2 short legs and 2 long leg.

5 Assemble carousel disc to ball joint bracket.

Assemble carousel disc to ball-joint bracket, using the square end allen screw with spring washer *(Diagram I)*. Once securely attached, fasten brake screw into ball-joint arm *(Diagram J)*. (This will stop carousel disc from unnecessarily rotating once mount is installed).

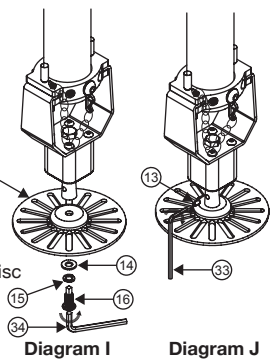


Diagram I **Diagram J**

6 Mount projector to the carousel disc.

Position the carousel disc so that the legs fit into the slots. Use either the hand wheels for easy access to projector light blub *(Diagram K)*, or the locking dome nuts to secure leg position on carousel disc *(Diagram L)*. Tighten the screws, fixing the legs to the projector.

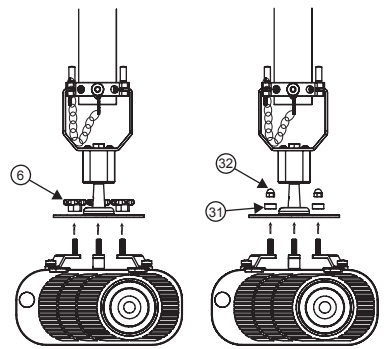
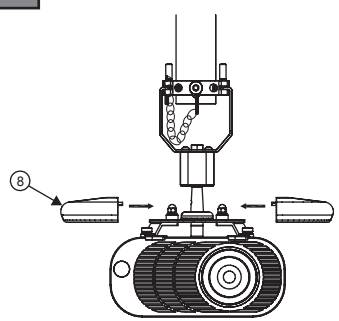


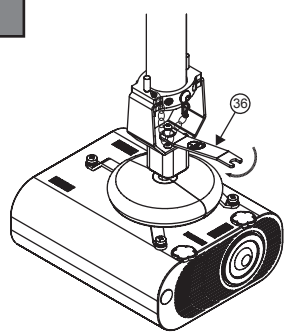
Diagram K **Diagram L**

7 Attach the cover plates over the carousel disc.



To complete installation attach the two halves of the carousel cover plate over the carousel disc.

8 Adjust M8 hexagon bolt



Adjust M8 hexagon bolt on the ball joint bracket to alter the tension of the ball-joint. Make sure that the stiffness of ball-joint can hold the projector in place after moving.

9 Rotate the projector to desired position.

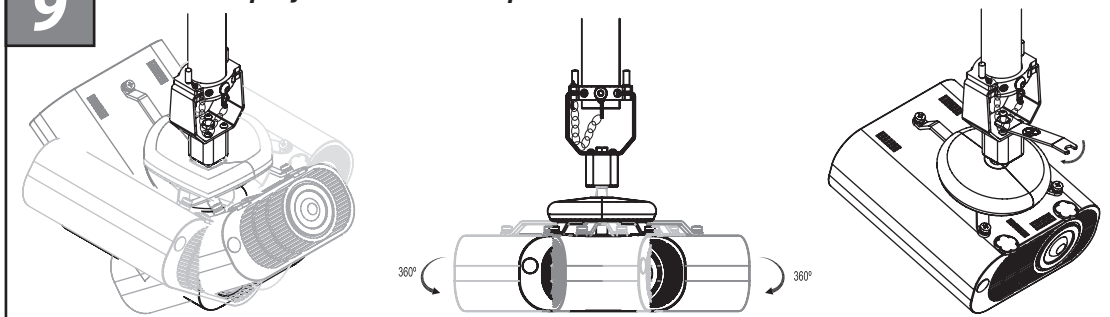


Diagram M **Diagram N** **Diagram O**

The Aviball arm allows the projector to move freely 37° in any direction *(Diagram M)* or to rotate 360° *(Diagram N)*. To increase stiffness of arm and to lock projector in position, use the spanner to make a small adjustment of the M8 bolt on the ball-joint bracket *(Diagram O)*.